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CERTIFICATE OF MAILING

I hereby certify that this **INFORMATION DISCLOSURE STATEMENT** and documents submitted therewith are being deposited with the United States Postal Service as first class mail, postage prepaid thereon, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Nancy Malsich
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6/22/05
Date

Applicant: Nicolaou, et al.) Group: 1624
)
Serial No.: 10/685,658) Confirmation No.: 5643
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Filed: October 14, 2003) Examiner: Unassigned
)
For: SYNTHESIS OF NON-SYMMETRICAL) Our Ref.: TSRI 910.1
SULFAMIDES USING BURGESS-TYPE)
REAGENTS)
)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In recognition of their continuing duty to disclose pursuant to 37 CFR §1.56, Applicants hereby submit the present Information Disclosure Statement and accompanying PTO Form 1449 in compliance therewith.

Applicants understand that the interpretation given to each reference may differ from one individual to another. The PTO is therefore encouraged to independently examine the disclosed references. While the references provided in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56, it shall not be construed to be an admission that the cited

information is, or is considered to be, material to patentability unless specifically designated as such.

Applicants are filing the present statement pursuant to 37 CFR §1.97(b) insofar as this statement is being filed within three months of the filing of the application and/or before the mailing date of a first Office Action.

Also, in accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or, that if made, any search was complete or exhaustive, or that no other material information as defined in 37 CFR §1.56 exists.

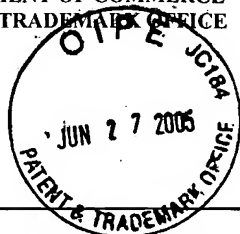
Respectfully submitted,

June 22, 2005
Date


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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. TSRI 910.1	SERIAL NO. 10/685,658
	APPLICANT Nicolaou, et al.	
	FILING DATE 10/ 14/ 2003	GROUP 1624



U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	1	Atkins, Jr.; et al., "The Reactions of an N-Sulfonylamine Inner Salt", <u>J. Am. Chem. Soc.</u> 90: 4744-4745 (1968)
	2	Onak, et al., "Synthetic Applications of N-Carboalkoxysulfamate Esters", <u>J. Am. Chem. Soc.</u> 92: 5224-5226 (1970)
	3	Atkins, Jr.; et al., "Synthesis and Reactions of N-Sulfonylamines", <u>J. Am. Chem. Soc.</u> 94: 6135-6141 (1972)
	4	Burgess, et al., "Thermal Reactions of Alkyl N-Carbomethoxysulfamate Esters", <u>J. Org. Chem.</u> 38: 26-31 (1973)
	5	Davis, et al., "A New Synthesis of Primary Amines from Diarylidene-sulfamides", <u>Tetrahedron Lett.</u> 27: 3957-3960 (1986)
	6	Rosenberg, et al., "Potent, Low Molecular Weight Renin Inhibitors Containing a C-Terminal Heterocycle: Hydrogen Bonding at the Active Site", <u>J. Med. Chem.</u> 33: 1582-1590 (1990)
	7	Oppolzer, et al., "Enantiomerically Pure, Crystalline 'Anti'-Aldols from N-Acylbornanesultam: Aldolization and Structure of Intermediate t-Butyldimethylsilyl-N,O-Ketene Acetal", <u>Tetrahedron Lett.</u> 32: 61-64 (1991)
	8	Oppolzer, et al., "Enantiomerically Pure Isoxazolines via Addition of Nitrile Oxides to Chiral N-Acryloyl Toluene-2,α-Sultams", <u>Tetrahedron Lett.</u> 32: 4893-4896 (1991)
	9	Sartor, et al., "Enantioselective Diels-Alder Reaction of Enals: Fighting Species Multiplicity of the Catalyst with Donor Solvents", <u>Tetrahedron Asymmetry</u> 2: 639-642 (1991)
	10	Ahn, et al., "Asymmetric Aldol Reactions Employing a Cyclic Sulfamide Chiral Auxiliary", <u>Tetrahedron Lett.</u> 33: 6661-6664 (1992)
	11	Castro, et al., "Synthesis and Biological Activity of 3-[2-(Dimethylamino)ethyl]-5-[(1,1-dioxo-5-methyl-1,2,5-thiadiazolidin-2-yl)methyl]-1H-indole and Analogues: Agonists for the 5-HT _{1D} Receptor", <u>J. Med. Chem.</u> 37: 3023-3032 (1994)
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	12	Taibe, P.; Mobashery, S. "(Methoxycarbonylsulfamoyl)triethylammonium hydroxide", in Encyclopedia of Reagents for Organic Synthesis, Vol. 5 (Ed. L. A. Paquette), John Wiley & Sons: Chichester, 1995, pp. 3345-3347.
	13	Dewynter, et al., "Sulfonyl Bis-N-Oxazolidinone (SBO): A New Versatile Dielectrophile with Sequential Reactivity", <u>Tetrahedron Lett.</u> 38 : 8691-8694 (1997)
	14	Pansare, et al., "Stereoselective Synthesis of 3,4-Disubstituted 1,2,5-Thiadiazolidine 1,1-Dioxides and Their conversion to Unsymmetrical Vicinal Diamines", <u>Synlett</u> : 623-624 (1998)
	15	Tozer, et al., "4-Chlorobenzyl Sulfonamide and Sulfamide Derivatives of Histamine Homologues: The Design of Potent Histamine H ₃ Receptor Antagonists", <u>Bioorg. Med. Chem. Lett.</u> 9 : 3103-3108 (1999)
	16	Gong, et al., "Polar Assembly of N,N'-Bis(4-substituted benzyl)sulfamides", <u>J. Am. Chem. Soc.</u> 121 : 9766-9767 (1999)
	17	Burckhardt, S., "Methyl N-(triethylammonium-sulfonyl)carbamate: "Burgess Reagent"", <u>Synlett</u> : 559 (2000)
	18	Kuang, et al., "Utilization of the 1,2,5-Thiadiazolidin-3-one 1,1-Dioxide Scaffold in the Design of Potent Inhibitors of Serine Proteases: SAR Studies Using Carboxylates", <u>Bioorg. Med. Chem.</u> 8 : 1005-1016 (2000)
	19	Pete, et al., "Synthesis of 5-Substituted Indole Derivatives, Part II. Synthesis of Sumatriptan through the Japp-Klingemann Reaction", <u>Heterocycles</u> 53 : 665-673 (2000)
	20	Dougherty, et al., "Ring-Closing Metathesis Strategies to Cyclic Sulfamide Peptidomimetics", <u>Tetrahedron</u> 56 : 9781-9790 (2000)
	21	Hof, et al., "Emergent Conformational Preferences of a Self-Assembling Small Molecule: Structure and Dynamics in a Tetrameric Capsule", <u>J. Am. Chem. Soc.</u> 122 : 10991-10996 (2000)
	22	Schaal, et al., "Synthesis and Comparative Molecular Field Analysis (CoMFA) of Symmetric and Nonsymmetric Cyclic Sulfamide HIV-1 Protease Inhibitors", <u>J. Med. Chem.</u> 44 : 155-169 (2001)
	23	Hof, et al., "Highly Selective Synthesis of Heterosubstituted Aromatic Sulfamides", <u>Organic Letters</u> 3 : 4247-4249 (2001)
	24	Wood, et al., "A novel, one-step method for the conversion of primary alcohols into carbamate-protected amines", <u>Tetrahedron Lett.</u> 43 : 3887-3890 (2002)
	25	Nicolaou, et al., "A Novel Regio- and Stereoselective Synthesis of Sulfamidates from 1,2-Diols Using Burgess and Related Reagents: A Facile Entry into β -Amino Alcohols", <u>Angew. Chem. Int. Ed. Engl.</u> 41 : 834-838 (2002)
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